

Course Syllabus Fall 2009

GENERAL INORGANIC CHEMISTRY - CHEM 105

(3 Credit Hours)

Instructor:

Office:

Phone:

Conference Hours: 9:00 am -12:00 pm & 2:00 pm – 4:00 pm M
1:00 pm - 4:00pm T
1:00 pm – 3:00 pm Th
Other times by Appointment

Students that require non-standard physical accommodations or any accommodations to facilitate their instruction should talk to the instructor during the first day in class. This is required in order to provide the necessary accommodations.

A photo I.D. (Grambling State Univ. Student I.D.) will be required for a student to take all exams.

COURSE DESCRIPTION: Chemistry 105 is the first half of a two-semester course intended for pre-nursing and other non-science majors. General inorganic chemistry is the primary emphasis. This course is accompanied by the laboratory course, Chemistry 107.

TEXTBOOK: **Introduction to General, Organic, & Biochemistry**, 9th Edition
By: Frederick A Bettelheim, William H. Brown, Mary K. Campbell, and Shawn O. Farrell. ISBN: 978-0-495-39112-8

Additional Reading/Resources

Chemistry: The Molecular Nature of Matter and Change, 5th Edition
By: Martin S. Silderberg. ISBN: 978-0-07-721650-4

EXPECTATIONS OF STUDENTS

1. Have access to a textbook. Read and understand the topics.
2. Regular class attendance and participation in class
3. Be prepared for class (pencils, pens, erasers, paper, books, etc.)
4. Have a *scientific calculator* available for quizzes and exams
5. Read textbook and perform assignments
6. Seek assistance when needed. Utilize tutorial services.
7. Take all quizzes and exams
8. Learn chemistry and pass Chemistry 105
9. Refrain from disruptive behavior in class, and Please do not have CELL Phones ringing in class (use vibrating mode):

1. Scope of the Course

This course is designed to provide support and further training to nursing students. It is design to enhance appreciation for the scientific process and its methods of inquiry; to gain a solid, content-based understanding of chemistry, and its relationship to living systems; and to understand the impact of chemistry on our society. At the conclusion of this course, students will have practical experience with scientific methods through the laboratory component. They will be able to describe aspects of matter and energy and their transformations.

Chapters Covered in Chemistry 105

1. Matter, Energy and Measurement
2. Atoms
3. Nuclear Chemistry
4. Chemical Bonds
5. Chemical Reactions
6. Gases, Liquids, and Solids
7. Solutions and Colloids
8. Reactions Rates and Chemical Equilibrium
9. Acids and Bases

2. Some Secrets to Success

Be forewarned, though: it is not possible to succeed in Chemistry without good study habits. Secrets to success in chemistry are:

- a. **Success in Chemistry needs commitment and hard work.**
- b. Attend classes regularly and keenly follow the lecture and take notes. Listen carefully! What the instructor says is MORE important than just taking notes. Therefore, please seek first to listen, understand, and then write down notes.
- c. **Read** the material to be discussed in advance so that you will be familiar with what is being taught.
- d. Prepare a list of questions that are not understood by you, and get it cleared during discussion. If you still do not understand; ask questions at the next class meeting or during the conference hours.
- e. Prepare short notes of the material covered and important formulas in a chapter.
- f. Proficiency in using chemical concepts comes only by practice. So please **DO HOMEWORK** and all practice problems.
- g. **Study group:** students are asked to form groups of 3-4 students to study and do homework together.
- h. Attend the scheduled Help/Review sessions.
- i. Review all the questions you missed in quizzes and examinations thoroughly.
- j. Always show your work clearly on exams when asked to do so.
- k. The challenge is yours. Your textbook, study material, library resources and other facilities can help to meet the challenge and reap the rewards of the course.

3. Quizzes

The quizzes will be short (5 - 10 minutes), and will be discussed immediately and returned the next class when possible. The sum of 10 quizzes will count as one exam grade.

4. Grading and Examinations

There will be **a number of one-hour examinations during the term plus a cumulative final.** The examination dates will be announced in class. **Quizzes are unannounced. If you miss class the day of a quiz, there is no make-up.** Students on Official University Travel will be allowed to make-up examinations the first class period following their return to campus.

All examinations are scheduled by notice and therefore have mandatory attendance. *Missed examinations must be taken before papers are graded and returned to the class (usually the next class meeting).* **You will not be given any so-called make-up exams or assignments during or at the end of the semester.**

EXAMINATIONS AND QUIZZES

90-100% **A** Superior/Excellent
80-89.9% **B** Good/Above Average
70-79.9% **C** Satisfactory/Average
60-69.9% **D** Less than satisfactory/Below Average (credit except toward major)
59.9% - below F Unsatisfactory/Fail (no credit)

5. Make-Up Policy

Ordinarily, missed exams and quizzes will not be made up. A maximum of **one** exam/quiz will be allowed to be made-up. Arrangements must be made in advance with the instructor and a valid university excuse must be presented. In all other cases, a missed exam/quiz will be dropped grade (see above).

6. Excused and Unexcused Absence(s)

The procedure for submitting excused absences is outlined in the **GSU General Catalog 2009 -2011** on page 28.

Within three (3) days of the student's return to the University from an absence, the student who desires an excused absence must submit verification or documentation supporting the reason for the absence to the Counseling Center. The Director of the Counseling Center will give the student an approved excused absence form to be shared with the student's instructors provided the documentation presented can be verified.

"At the discretion of the respective instructors, documents may be reviewed for a decision."

7. CHEATING – Academic Honesty Statement

Any cheating on **exams** (copying from each other or from materials brought in, substitute examinees, changing answers after tests have been returned, stealing tests, sharing materials, etc.) **will result in a grade of F for the course, or on the assignment and/or the student may be reported to the Vice President for Academic Affairs for further action. Student's found guilty of a second offense may be indefinitely suspended from the University.**

Students are expected to adhere to the highest standards of academic honesty as outlined in the *GSU Student Handbook*. The University's academic honest policy will be strictly enforced. In no instance will lack of familiarity with this policy excuse the violation. Academic dishonesty of any type will not be tolerated.

Final Exam

COMPREHENSIVE!

NOTE: Compliance with Americans with Disabilities Act (ADA): Grambling State University adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. Students with disabilities should register with the Student Intervention Resource Center (Special Services Facilitator) and provide timely notification to their instructor in order to arrange for appropriate accommodations.

Syllabus Revision

The instructor intends to follow the syllabus but reserves the right to modify the current syllabus during the course.